

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference RSJ07644WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 03/04987	International filing date (day/month/year) 18/11/2003	(Earliest) Priority Date (day/month/year) 19/11/2002
Applicant OXFORD INSTRUMENTS SUPERCONDUCTIVITY LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established by this Authority to read as follows:

SAMPLE INSPECTION APPARATUS FOR COMBINING NMR WITH ESR OR ICR-MASS SPECTROSCOPY

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- ☐ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☒ because this figure better characterizes the invention.

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☐ None of the figures.

INTERNATIONAL SEARCH REPORT

Inter application No.
PC17GB 03/04987

10/532345

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01R33/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ, MEDLINE, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 644 275 A (YOUNG IAN R) 17 February 1987 (1987-02-17) see the whole document	1-10
X	US 6 268 727 B1 (DE LOS SANTOS ARMANDO ET AL) 31 July 2001 (2001-07-31) column 4, line 66 -column 6, line 5; figures 1,6	1,5,9,10
X	WO 96 13735 A (TUFTS COLLEGE ;UNIV EBERHARD KARLS (DE)) 9 May 1996 (1996-05-09) page 5, line 9 -page 13, line 28; figures 1-5.	1,5,7,9,10
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

25 February 2004

Date of mailing of the international search report

18/03/2004

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Lersch, W

INTERNATIONAL SEARCH REPORT

International Publication No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 154 603 A (SEPPONEN RAIMO) 13 October 1992 (1992-10-13) column 2, line 37 -column 3, line 15 column 4, line 63 -column 5, line 58; claim 1; figures 2,3 ---	1,5,9,10
X	SATO T ET AL: "Development of an L-band electron spin resonance/proton nuclear magnetic resonance imaging instrument" REVIEW OF SCIENTIFIC INSTRUMENTS, MAY 1997, AIP, USA, vol. 68, no. 5, pages 2076-2081, XP002271403 ISSN: 0034-6748 see the whole document ---	11-13
X	PATENT ABSTRACTS OF JAPAN vol. 011, no. 009 (P-534), 10 January 1987 (1987-01-10) & JP 61 186844 A (JEOL LTD), 20 August 1986 (1986-08-20) abstract ---	11-13
A	US 5 267 445 A (SCHITTENHELM WERNER ET AL) 7 December 1993 (1993-12-07) claim 1 ---	11,13,16
A	LOUDEN DAVE ET AL: "HPLC analysis of ecdysteroids in plant extracts using superheated deuterium oxide with multiple on-line spectroscopic analysis (UV, IR, 1H NMR, and MS)." ANALYTICAL CHEMISTRY. UNITED STATES 1 JAN 2002, vol. 74, no. 1, 1 January 2002 (2002-01-01), pages 288-294, XP002271404 ISSN: 0003-2700 see pages 288-290 -----	14-16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB 03/04987

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4644275	A	17-02-1987	EP 0150938 A2 GB 2153083 A , B	07-08-1985 14-08-1985
US 6268727	B1	31-07-2001	AU 743362 B2 AU 8167698 A AU 735880 B2 AU 8174498 A BR 9810302 A BR 9810756 A CN 1268218 T CN 1273632 T EP 0991921 A1 EP 0991919 A2 NO 996445 A NO 996446 A WO 9859221 A1 WO 9859220 A2 US 6046587 A	24-01-2002 04-01-1999 19-07-2001 04-01-1999 12-09-2000 11-09-2001 27-09-2000 15-11-2000 12-04-2000 12-04-2000 21-02-2000 21-02-2000 30-12-1998 30-12-1998 04-04-2000
WO 9613735	A	09-05-1996	AU 4015295 A WO 9613735 A1	23-05-1996 09-05-1996
US 5154603	A	13-10-1992	FI 895649 A	28-05-1991
JP 61186844	A	20-08-1986	JP 1714395 C JP 4002909 B	27-11-1992 21-01-1992
US 5267445	A	07-12-1993	DE 4106135 A1 DE 59200796 D1 EP 0501203 A1	03-09-1992 05-01-1995 02-09-1992